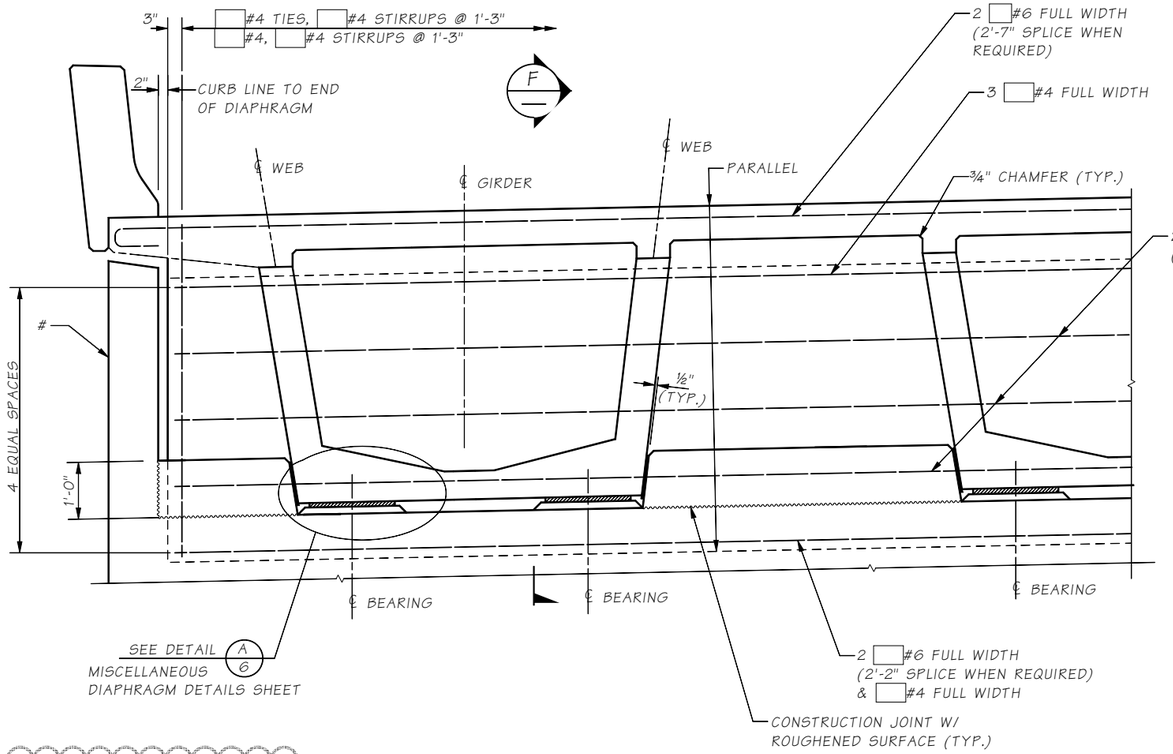
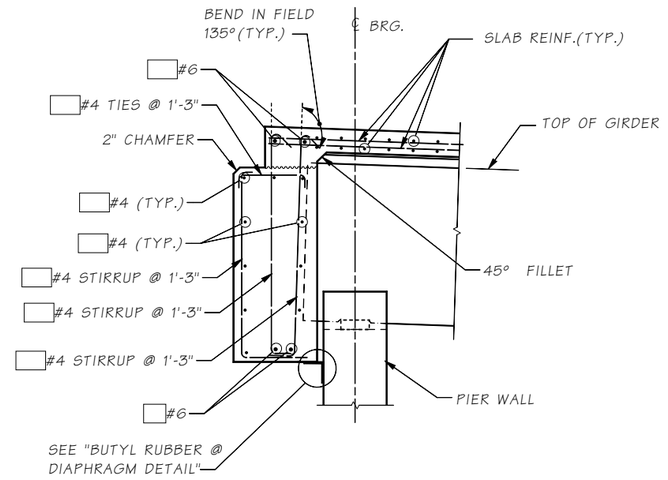


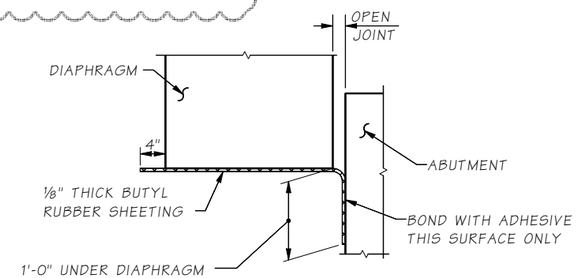


SECTION F

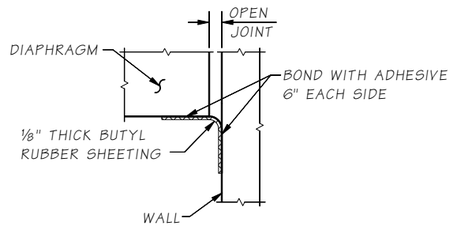
TYPICAL END TYPE "A" DIAPHRAGM AT END PIERS

 # NOTE TO DESIGNER

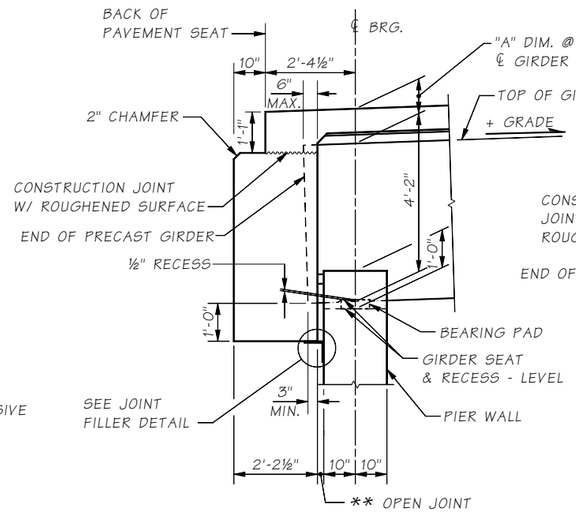
If ground line is less than 2'-0" minimum below the bottom of girder at front face of abutment a curtain wall shall be provided.

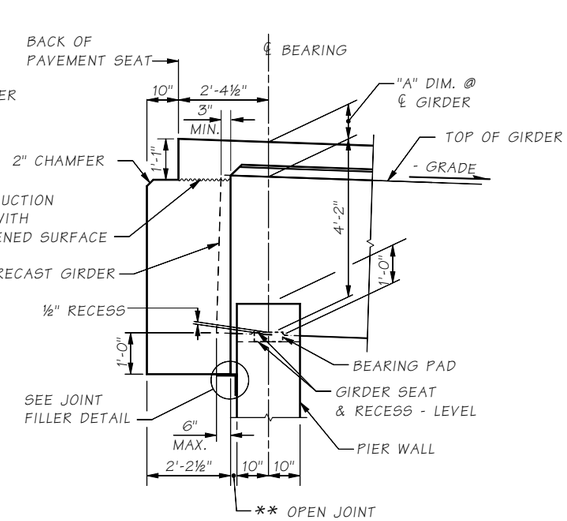


ELEVATION
BUTYL RUBBER @ DIAPHRAGM



PLAN VIEW
BUTYL RUBBER @ VERTICAL JOINTS





END DIAPHRAGM GEOMETRY

SECTIONS THROUGH END DIAPHRAGMS AT END PIERS
SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".
ALL LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.

BRIDGE LENGTH	JOINT
L≤200	** = 1.5 IN.
200<L≤300	** = 2.0 IN.
300<L≤400	** = 2.5 IN.
L>400	SPECIAL DESIGN

NOTE:

1. GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
2. REINFORCING BAR SHALL BE THREADED THROUGH HOLES IN GIRDERS PRIOR TO PLACING OF EXTERIOR GIRDERS. SEE PLANS FOR "TRAFFIC BARRIER" DIMENSIONS AND LOCATION. SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".
3. END DIAPHRAGM MAY BE CAST ON GRADE. IF SO, THE UPPER LEG OF THE JOINT FILLER SHALL FORM THE BOTTOM FACE FULL WIDTH.
4. JOINT FILLER TYPE 1 SHALL BE USED TO COVER ALL VERTICAL END DIAPHRAGM JOINTS. EITHER JOINT FILLER TYPE 1 OR JOINT FILLER TYPE 2 SHALL BE USED TO COVER ALL HORIZONTAL END DIAPHRAGM JOINTS.

Bridge Design Engr.	M:\STANDARDS\Girders\PT Trapezoidal Tubs\PT_TUB_END_DIA.MAN				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor					10	WASH.			
Designed By					JOB NUMBER				
Checked By									
Detailed By									
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist	DATE	REVISION	BY	APP'D					

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

STANDARD PRESTRESSED CONCRETE GIRDERS

TUB SPLICED GIRDER
END DIAPHRAGM ON GIRDER DETAILS

BRIDGE SHEET NO.

SHEET OF SHEETS

SR JOB NO. SHEET

5.9-A4-7

Fri Mar 06 10:40:22 2015